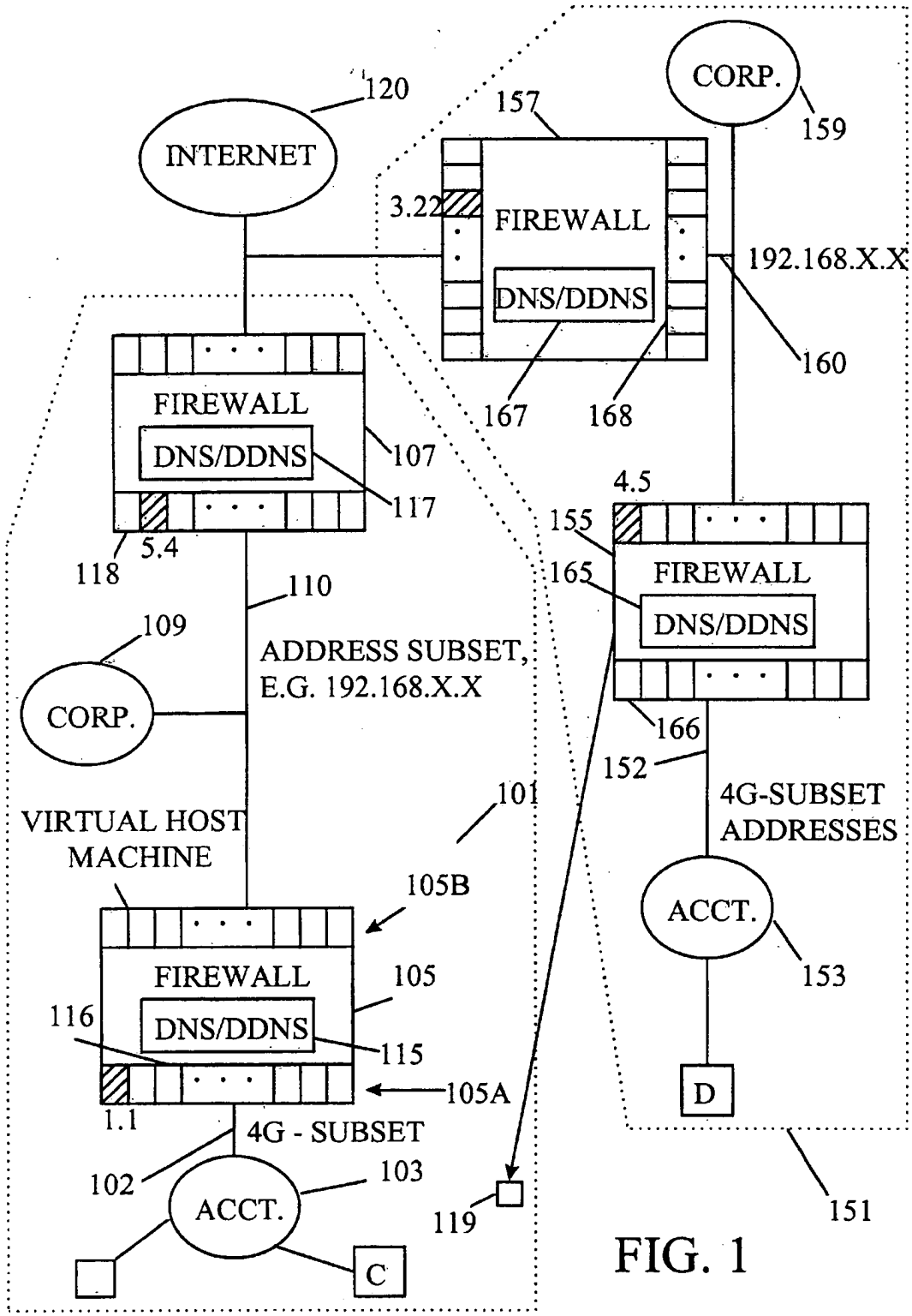
INTERNET
120
CORP.
159
157
3.22
FIREWALL
DNS/DDNS
192.168.X.X
160
167
168
FIREWALL
DNS/DDNS
107
117
4.5
155
165
FIREWALL
DNS/DDNS
166
152
4G-SUBSET
ADDRESSES
ACCT.
153
D
151
5.4
118
110
109
CORP.
ADDRESS SUBSET,
E.G. 192.168.X.X
VIRTUAL HOST
MACHINE
101
105B
FIREWALL
DNS/DDNS
105
116
115
105A
1.1
4G - SUBSET
102
ACCT.
103
C
119

FIG. 1

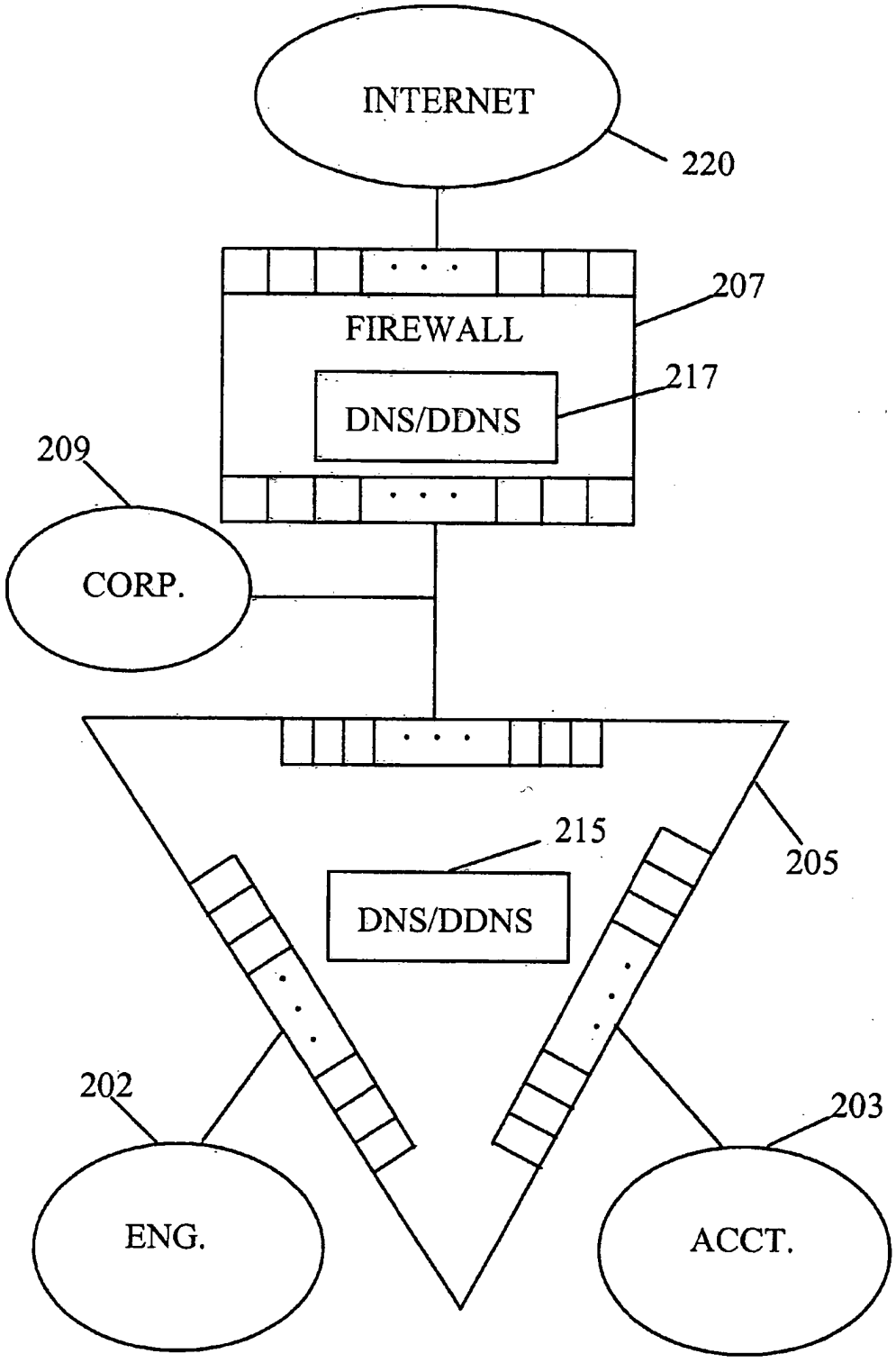
INTERNET
220
207
FIREWALL
217
DNS/DDNS
209
CORP.
215
205
DNS/DDNS
202
203
ENG.
ACCT.

FIG. 2

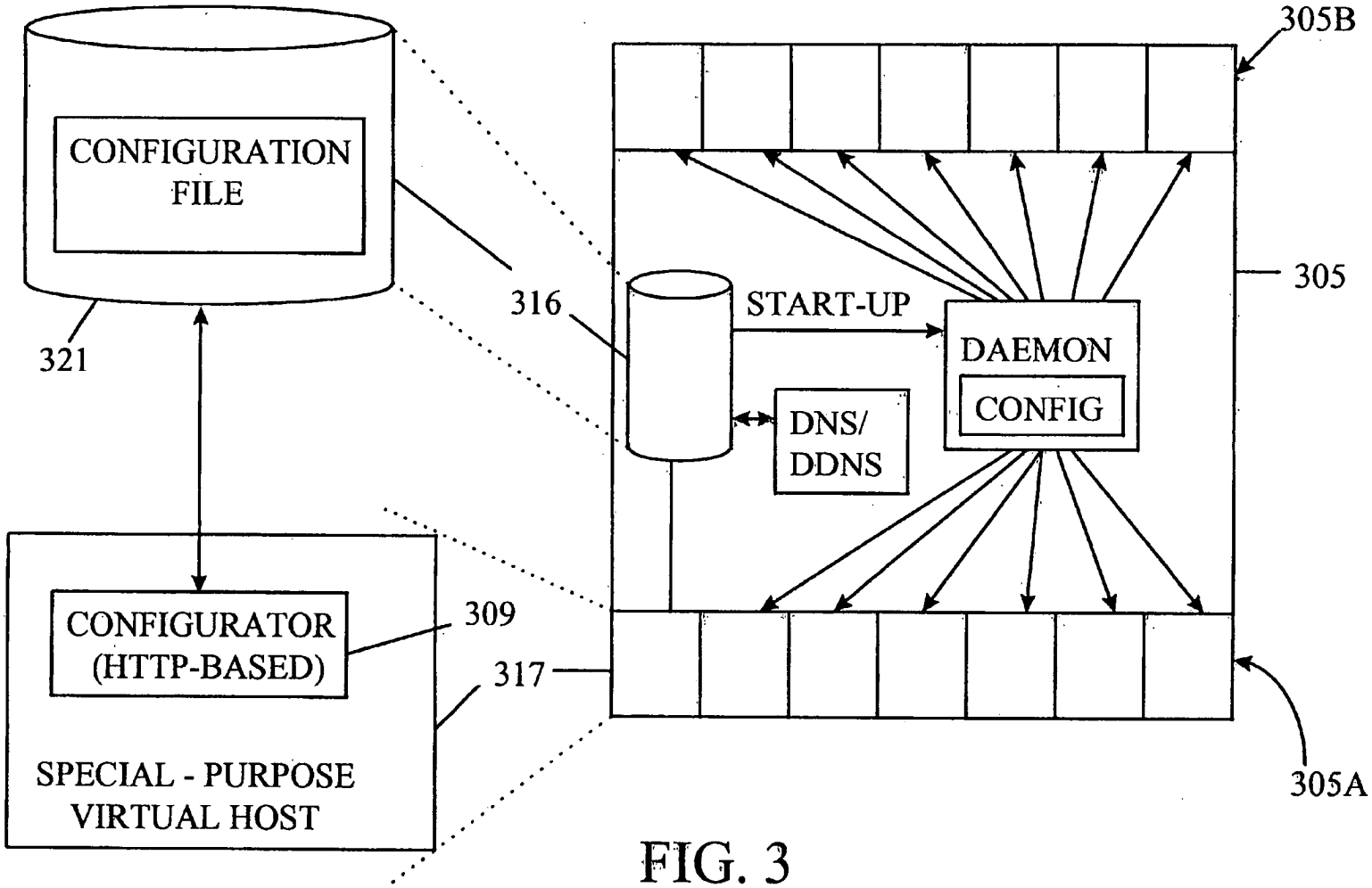
CONFIGURATION FILE
321
316
START-UP
DAEMON
CONFIG
DNS/ DDNS
305B
305
CONFIGURATOR (HTTP-BASED)
309
317
SPECIAL - PURPOSE VIRTUAL HOST
305A

FIG. 3

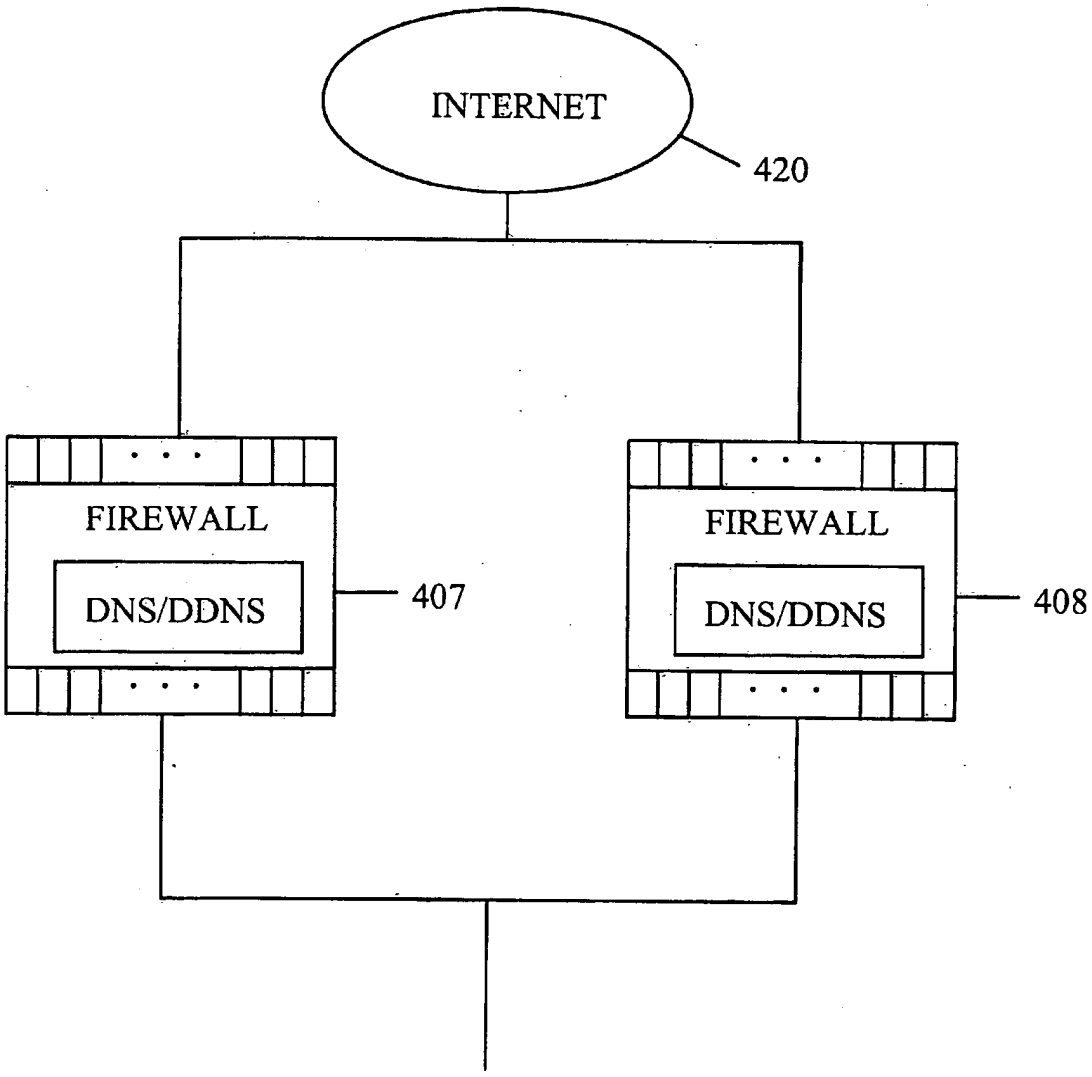

FIG. 4

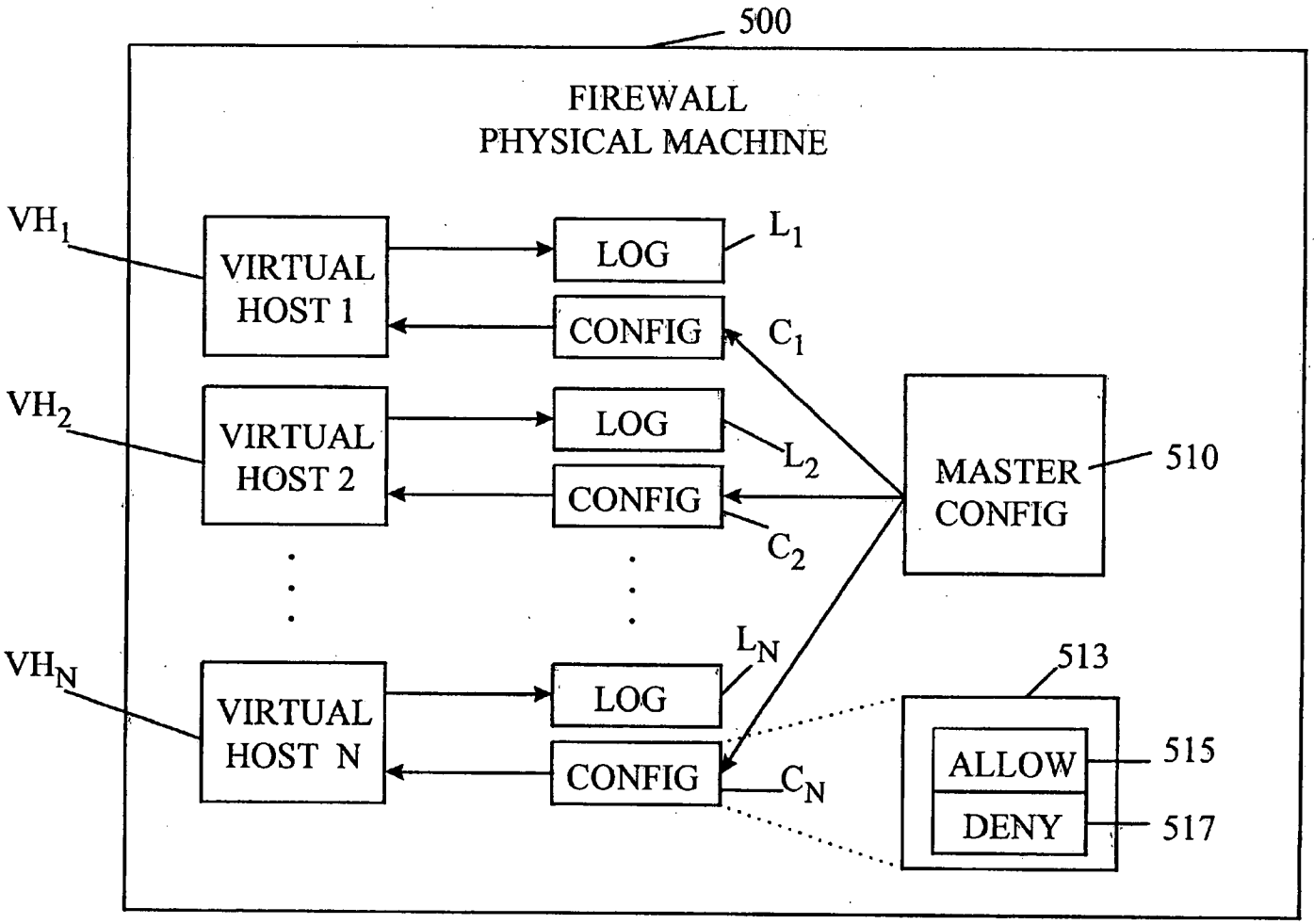
500
FIREWALL
PHYSICAL MACHINE
VH1
VIRTUAL
HOST 1
LOG
L1
CONFIG
C1
VH2
VIRTUAL
HOST 2
LOG
L2
CONFIG
C2
MASTER
CONFIG
510
VHN
VIRTUAL
HOST N
LOG
LN
CONFIG
CN
513
ALLOW
515
DENY
517

FIG. 5

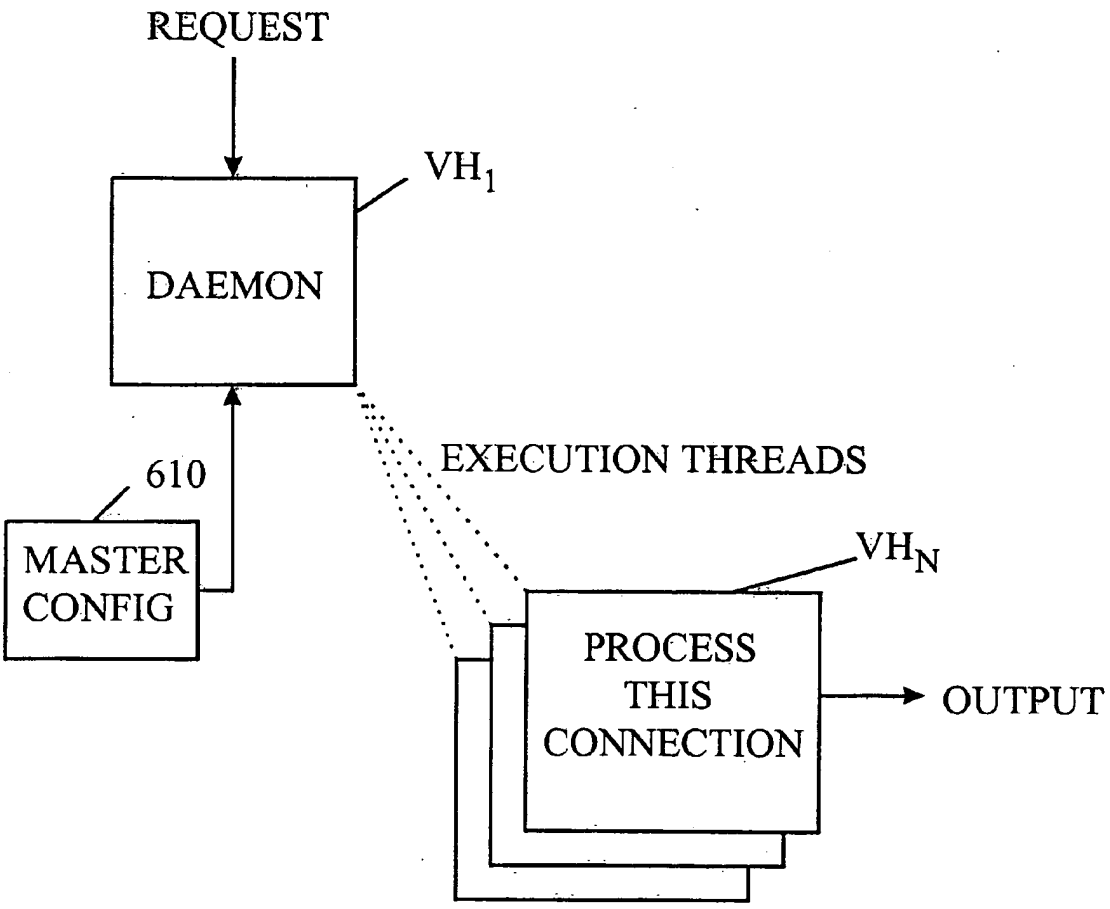
REQUEST
VH1
DAEMON
610
MASTER CONFIG
EXECUTION THREADS
VHN
PROCESS THIS CONNECTION
OUTPUT

FIG. 6

```
PORT            = 80
RULE1           = {
                  TIME          = "1AM-12PM"
}
WWW.SRMC.COM    = {
                  .CGI          = "PROCESSCGI"
                  ROOT          = "/HOME/SRMC/HTML"
}
WWW.HONOLULU.NET = {
                  .CGI          = ""
                  ROOT          = "/HOME/HONOLULU/HTML"
}
WWW.SANJOSE.NET = {
                  .CGI          = "PROCESSCGI"
                  ALLOW         = {
                                  *.SRMC.COM
                                  205.138.192.*
                                  205.138.192.0/23
                  }
                  DENY          = {
                                  MISTERPAIN.COM
                  }
}
WWPROXY.SRMC.COM = {
                  MODE          = RT_SERVERPROXY
}
NS.SRMC.COM     = {
                  ALLOW         = {
                                  192.168.0.*
                                  192.168.1.*   = RULE1
                                  192.168.2.*   = {
                                                  TIME          = "1AM-12PM"
                                  }
                                  192.168.3.*   = 192.168.2.*
                  }
}
MJU.SRMC.COM    = {
                  ALLOW         = {
                                  192.168.0.0/23                = RULE1
                  }
                  DENY          = {
                                  192.168.0.*   = {
                                                  TIME          = "12PM-1AM"
                                  }
                  }
}
```

FIG. 7

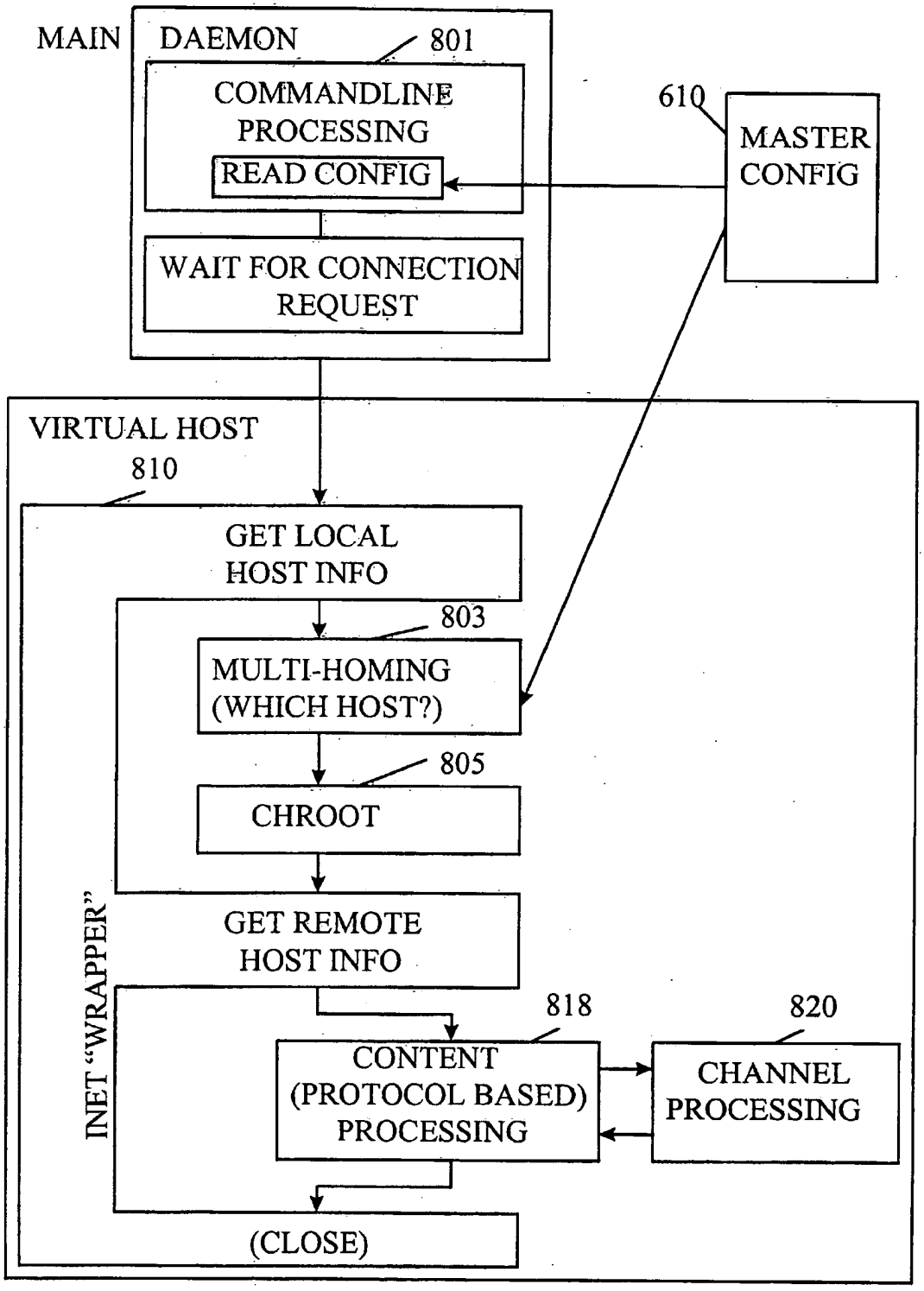
MAIN
DAEMON
801
COMMANDLINE PROCESSING
READ CONFIG
WAIT FOR CONNECTION REQUEST
610
MASTER CONFIG
VIRTUAL HOST
810
GET LOCAL HOST INFO
803
MULTI-HOMING (WHICH HOST?)
805
CHROOT
GET REMOTE HOST INFO
INET "WRAPPER"
818
CONTENT (PROTOCOL BASED) PROCESSING
820
CHANNEL PROCESSING
(CLOSE)

FIG. 8

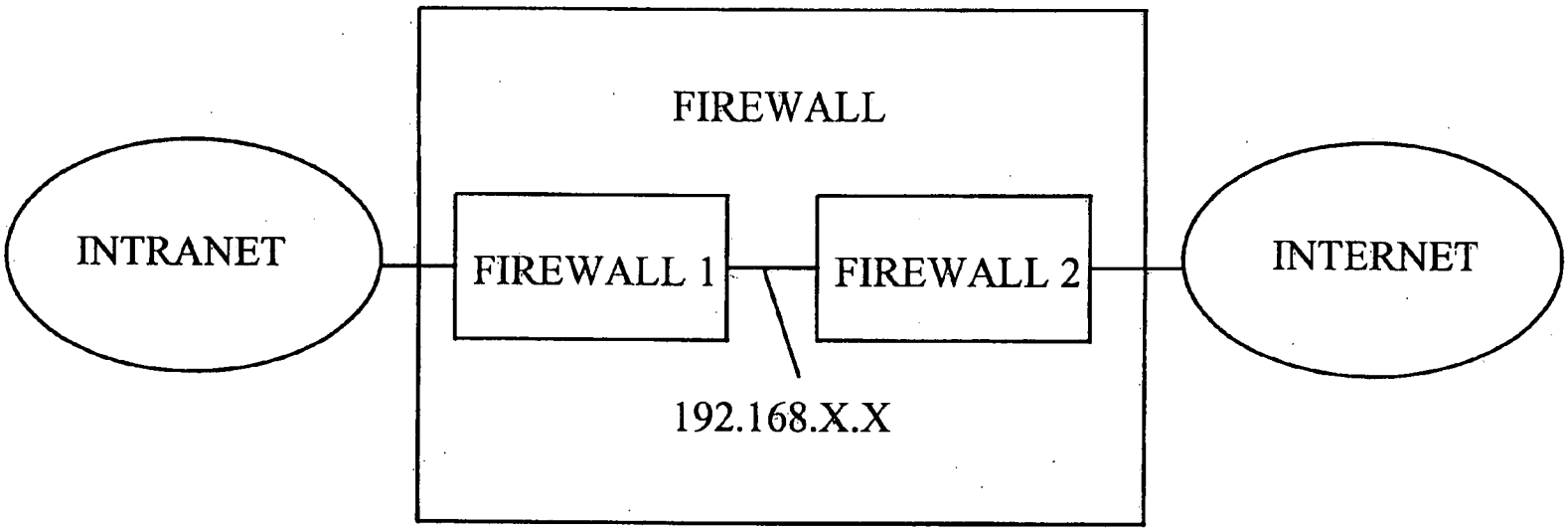
FIREWALL
INTRANET
FIREWALL 1
FIREWALL 2
INTERNET
192.168.X.X

FIG. 9